UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 6,978,048 B1   Page 1 of 5
APPLICATION NO. : 09/523595
DATED   : December 20, 2005
INVENTOR(S)   : Paul Raymond Higgenbottom et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON TITLE PAGE AT (57) ABSTRACT

Line 1, "an" should read --a--.

COLUMN 1

Line 16, "heirachical" should read --hierarchical--;
Line 21, "one dimensional" should read --one-dimensional--;
Line 25, "proc-esses" should read --processes--; and
Line 47, "an" should read --a--.

COLUMN 2

Line 13, "an" should read --a--.

COLUMN 3

Line 42, "provided" should read --provide--; and
Line 59, "an" should read --a--.

COLUMN 4

Line 30, "an" should read --a--; and
Line 35, "specifyied" should read --specified--.

COLUMN 5

Line 8, "an" should read --a--;
Line 49, "a image" should read --an image--;
Line 52, "a image" should read --an image--; and
Line 66, "pre-ferred" should read --preferred--.

COLUMN 6

Line 18, "and" should be deleted--; and
Line 21, "practiced." should read --practiced;--.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 6,978,048 B1
APPLICATION NO. : 09/523595
DATED   : December 20, 2005
INVENTOR(S)   : Paul Raymond Higgenbottom et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 7

Line 23, "produced" should read --produce--;
Line 27, "produced" should read --produce--;
Line 40, "617 pixel" should read --617 pixels--;
Line 46, "tile," should read --tiles,--;
Line 48, "iteration," should read --iterations,--; and
Line 61, "example" should read --example,--.

COLUMN 8

Line 6, "such" should read --such as--
Line 28, "line" should read --lines--;
Line 44, "pixel" should read --pixels; "71 pixel" should read --71 pixels--; and
Line 56, "subband," should read --subband--.

COLUMN 9

Line 1, "2H+7 line" should read --2H+7 lines--;
Line 25, "example" should read --example,--; and
Line 53, "read" should read --reads--.

COLUMN 10

Line 4, "code" should read --coded--.

COLUMN 11

Line 65, "done" should read --down--.

COLUMN 13

Line 21, "sub-sequent" should read --subsequent--;
Line 39, "thirty two" should read --thirty-two-- (both occurrences); and
Line 45, "sixty four" should read --sixty-four--.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 6,978,048 B1
APPLICATION NO. : 09/523595
DATED   : December 20, 2005
INVENTOR(S)   : Paul Raymond Higgenbottom et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 14

Line 54, "result" should read --results--; and
Line 63, "tion" should read --tions--.

COLUMN 15

Line 27, "example" should read --example,--;
Line 43, "were" should read --where--;
Line 58, "sixty four" should read --sixty-four--;
Line 61, "seventy one" should read --seventy-one--;
Line 62, "sixty fourth" should read --sixty-fourth--;
Line 64, "sixty four" should read --sixty-four--; "sixty eight" should read --sixty-eight--; and
Line 66, "seventy one" should read --seventy-one--.

COLUMN 17

Line 36, "coeffi-cients" should read --coefficients--.

COLUMN 21

Line 4, "bit" should read --bit in bit--.

COLUMN 22

Line 1, "significant," should read --significant),--; and
Line 38, "4 bit" should read --4 bits--.

COLUMN 23

Line 9, "A4 a" should read --A4, a--.

COLUMN 24

Line 2, "Thus" should read --¶ Thus--
Line 32, "code." should read --code).--;
Line 37, close up right margin; and
Line 38, close up left margin.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 25
Line 13, "simplicities" should read --simplicity's--.

COLUMN 28

Line 8, "decoding. The" should read --decoding, the--; and
Line 51, "sub-band" should read --subband--.

COLUMN 29

Line 11, "coefficients" should be deleted.

COLUMN 31

Line 7, "HHH subband;" should read --HH subband;--;
Line 10, "sub-band" should read --subband--;
Line 18, "specified size," should read --specified block size,--; and
Line 27, "bit-plane entropy encoder." should read --Bit-plane entropy Encoder.--.

COLUMN 32

Line 8, "bit-plane entropy encoder." should read --Bit-plane entropy Encoder. --.

COLUMN 33

Line 4, "on" should read --in--;
Line 18, "coefficients" should read --coefficient--; and
Line 22, "coefficients" should read --coefficient--.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,978,048 B1
APPLICATION NO. : 09/523595
DATED : December 20, 2005
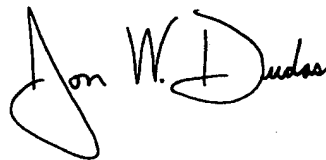INVENTOR(S) : Paul Raymond Higgenbottom et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<u>COLUMN 34,</u>

Line 31, "coefficients" should read --coefficient--;
Line 35, "coefficients" should read --coefficient--;
Line 38, "bit-plane" should read --Bit-plane--;
Line 39, "encoding" should read --Encoding--;
Line 46, "performed" should read --perform--; and
Line 47, "encod-" should read --Encod---.

Signed and Sealed this

Fourth Day of July, 2006

JON W. DUDAS
Director of the United States Patent and Trademark Office